

CUMBERLAND RIVER BASIN

03431091 CUMBERLAND RIVER AT OMOHUNDRO WATER PLANT AT NASHVILLE, TN

WATER-QUALITY RECORDS

LOCATION.--Lat 36°09'46", long 86°43'31", Davidson County, Hydrologic Unit 05130202, on right bank 0.8 mi downstream from Mill Creek, upstream of Omohundro Filtration Plant, and at mile 193.7.

DRAINAGE AREA.--12,819 mi².

PERIOD OF RECORD.--October 1996 to September 1999, October 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1996 to September 1999, October 2000 to current year.

pH: October 1996 to September 1999, October 2000 to current year.

WATER TEMPERATURE: October 1996 to September 1999, October 2000 to current year.

DISSOLVED OXYGEN: October 1996 to September 1999, October 2000 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1996.

REMARKS.--Flow regulated by Old Hickory Dam and other reservoirs above station. Records for water temperature and specific conductance are good, pH are fair and dissolved oxygen are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 282 microsiemens, Jan. 8, 2002; minimum, 166 microsiemens, June 4, 1998.

pH: Maximum, 9.1 units, Feb. 11, 12, 13, 2001; minimum, 6.9 units, July 30, 1997.

WATER TEMPERATURE: Maximum, 27.3°C, July 31, 1997, July 10, 25, 2005; minimum, 3.0°C, Jan. 5, 2001.

DISSOLVED OXYGEN: Maximum, 14.9 mg/L, Jan. 18, 2002; minimum, 3.7 mg/L, Nov. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 259 microsiemens, June 9; minimum, 177 microsiemens, March 13, 14.

pH: Maximum, 8.5 units, March 14, 15, 21; minimum, 7.1 units, July 7.

WATER TEMPERATURE: Maximum, 27.3°C, July 10, 25; minimum, 6.5°C, Jan. 25.

DISSOLVED OXYGEN: Maximum, 14.8 mg/L, Dec. 22; minimum, unknown.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	219	191	207	207	191	195	211	208	209	201	186	191
2	219	185	207	207	192	195	223	209	216	203	189	192
3	218	197	204	213	194	201	219	210	213	206	188	192
4	207	199	204	197	194	195	227	219	224	205	189	194
5	208	201	205	215	193	201	229	225	226	203	188	192
6	222	202	206	210	192	195	232	215	225	194	188	192
7	207	200	203	194	193	194	216	202	210	208	188	193
8	206	196	200	210	192	196	216	207	210	204	189	196
9	209	195	200	196	192	194	219	209	215	220	204	212
10	203	195	199	214	195	203	225	210	216	212	201	206
11	206	197	200	213	198	203	239	225	233	222	205	213
12	201	184	196	212	198	206	237	224	230	222	209	213
13	206	199	199	213	199	204	226	220	221	213	204	208
14	208	197	201	215	196	201	228	218	222	211	202	208
15	221	197	203	211	196	201	228	223	225	211	204	208
16	214	197	200	211	195	200	227	213	220	221	210	214
17	197	195	196	210	194	200	215	202	209	222	218	220
18	195	193	194	214	194	203	204	197	201	229	219	224
19	218	190	199	215	201	209	202	188	196	229	226	227
20	204	190	200	212	196	206	202	194	198	231	224	226
21	201	194	196	209	202	206	201	188	194	232	224	226
22	201	198	199	215	203	208	202	182	190	226	208	218
23	205	198	200	217	204	211	199	191	194	216	201	207
24	208	193	202	213	200	206	202	195	197	214	197	202
25	212	191	200	223	207	214	204	200	202	211	196	202
26	210	191	202	212	209	210	208	200	203	211	194	201
27	211	196	203	213	210	212	206	192	201	221	194	204
28	210	195	202	216	209	213	204	193	200	209	188	196
29	212	194	203	215	201	208	206	189	198	209	187	191
30	209	190	198	217	202	209	206	189	198	187	185	186
31	207	188	192	---	---	---	201	186	192	218	185	192
MONTH	222	184	201	223	191	203	239	182	209	232	185	205

CUMBERLAND RIVER BASIN

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03431091 CUMBERLAND RIVER AT OMOHUNDO WATER PLANT AT NASHVILLE, TN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	201	188	193	215	192	203	200	195	197	201	197	199
2	203	184	193	213	190	203	211	196	201	221	200	208
3	208	190	195	207	189	198	223	202	210	235	206	220
4	212	193	202	209	190	201	229	210	217	227	200	210
5	215	196	203	211	190	196	234	211	223	217	203	208
6	215	196	204	213	190	198	238	220	228	229	209	216
7	211	196	201	205	188	191	235	219	226	226	208	213
8	219	201	209	208	186	192	231	219	223	208	199	204
9	226	206	215	207	185	193	227	214	220	208	195	198
10	222	200	211	205	184	190	237	218	227	216	197	200
11	219	200	208	199	183	188	239	226	233	208	196	199
12	220	200	208	199	180	184	233	218	227	210	196	199
13	218	201	206	185	177	180	237	220	227	210	199	202
14	217	200	205	198	177	181	234	218	226	207	196	201
15	217	201	211	209	183	192	229	211	220	202	196	198
16	214	199	208	211	181	189	223	206	212	237	201	205
17	221	201	213	198	179	184	206	202	204	205	199	201
18	226	210	220	184	179	182	202	200	201	205	198	202
19	227	209	218	185	182	183	201	199	200	212	203	205
20	225	207	216	186	181	184	206	198	202	212	205	207
21	217	199	208	186	181	184	198	194	196	206	201	204
22	221	207	213	186	182	184	197	194	195	201	200	201
23	225	217	222	186	183	184	209	194	200	241	200	208
24	221	218	220	189	184	186	206	198	201	213	197	205
25	223	217	219	190	185	188	233	196	204	209	201	206
26	222	206	218	186	182	184	233	196	206	206	200	202
27	223	202	215	188	182	186	218	197	205	203	199	201
28	215	196	208	196	183	190	224	200	208	204	191	201
29	---	---	---	198	192	195	226	199	206	204	197	201
30	---	---	---	197	191	193	216	190	196	206	193	201
31	---	---	---	197	193	195	---	---	---	209	198	204
MONTH	227	184	209	215	177	190	239	190	211	241	191	204
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	206	189	196	208	189	198	229	215	221
2	210	206	208	204	182	195	214	193	206	228	216	221
3	210	207	209	201	191	195	225	204	209	224	214	219
4	211	208	209	200	181	194	214	205	210	218	201	213
5	211	207	209	200	186	193	216	207	211	---	---	---
6	213	208	211	196	191	194	211	204	208	---	---	---
7	212	---	---	201	190	194	214	204	208	---	---	---
8	---	198	---	198	191	194	211	201	205	216	212	214
9	259	---	220	198	191	194	212	204	207	222	210	214
10	220	198	208	204	191	194	230	207	212	216	208	213
11	232	195	206	201	193	197	237	210	219	224	211	216
12	218	197	204	199	188	194	224	211	218	222	212	219
13	227	201	213	199	190	195	228	210	218	225	212	221
14	230	203	214	200	194	196	217	208	214	222	217	219
15	231	178	206	198	192	194	232	213	218	222	208	215
16	227	193	208	194	185	188	222	201	212	226	216	221
17	222	197	207	188	182	184	220	211	214	222	217	219
18	216	195	204	216	181	194	228	198	215	224	217	221
19	199	192	195	205	183	188	216	206	212	221	217	219
20	199	193	195	198	180	191	218	209	212	219	209	213
21	203	196	199	208	185	198	214	206	212	218	210	214
22	208	195	205	199	183	194	214	207	211	216	210	213
23	211	200	206	201	192	197	217	199	211	225	209	214
24	212	199	204	200	192	196	217	199	212	229	209	214
25	206	198	201	210	181	197	216	205	212	222	209	213
26	204	199	202	213	200	205	213	207	211	229	209	215
27	204	190	198	212	197	205	224	212	215	228	209	216
28	206	195	199	212	199	206	227	206	214	219	211	213
29	207	193	198	207	193	199	219	206	215	212	207	210
30	199	191	195	198	186	193	229	213	218	213	206	209
31	---	---	---	195	183	192	252	229	243	---	---	---
MONTH	---	---	---	216	180	195	252	189	213	---	---	---

CUMBERLAND RIVER BASIN

03431091 CUMBERLAND RIVER AT OMOHUNDR WATER PLANT AT NASHVILLE, TN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.0	7.5	7.7	7.6	7.8	7.7	7.8	7.8	7.9	7.8	8.0	7.8
2	8.0	7.5	7.7	7.6	7.7	7.6	7.8	7.8	7.9	7.8	8.0	7.9
3	7.9	7.7	7.6	7.6	7.7	7.6	7.8	7.8	7.9	7.8	8.0	7.9
4	8.1	7.8	7.7	7.6	7.7	7.7	7.8	7.8	8.0	7.8	8.1	7.9
5	8.0	7.8	7.7	7.6	7.7	7.7	7.8	7.8	8.0	7.8	8.1	8.0
6	8.1	7.8	7.7	7.6	7.7	7.7	7.8	7.8	8.0	7.9	8.2	8.0
7	8.0	7.8	7.8	7.7	7.7	7.6	7.8	7.8	8.0	7.9	8.2	8.1
8	8.2	7.8	7.8	7.6	7.7	7.7	7.8	7.8	8.0	7.9	8.2	8.1
9	8.0	7.8	7.8	7.7	7.7	7.7	7.8	7.8	8.0	7.9	8.3	8.1
10	8.0	7.8	7.8	7.7	7.7	7.7	7.8	7.8	8.0	7.9	8.3	8.1
11	7.9	7.8	7.8	7.7	7.7	7.7	7.8	7.8	8.1	8.0	8.2	8.1
12	7.9	7.8	7.7	7.7	7.8	7.7	7.8	7.8	8.1	8.0	8.3	8.0
13	7.8	7.6	7.8	7.7	7.8	7.7	7.8	7.8	8.1	8.0	8.3	8.1
14	7.8	7.5	7.8	7.7	7.8	7.8	7.8	7.8	8.1	7.9	8.5	8.2
15	7.7	7.5	7.8	7.7	7.8	7.8	7.9	7.8	8.1	8.0	8.5	8.2
16	7.7	7.5	7.8	7.7	7.8	7.8	7.9	7.8	8.1	8.0	8.4	8.2
17	7.7	7.6	7.7	7.6	7.8	7.8	7.9	7.9	8.1	8.0	8.4	8.2
18	7.7	7.6	7.7	7.6	7.8	7.8	7.9	7.5	8.1	8.0	8.4	8.2
19	7.7	7.6	7.7	7.6	7.8	7.8	7.8	7.8	8.1	8.0	8.3	8.1
20	7.6	7.6	7.7	7.6	7.9	7.8	7.9	7.8	8.1	8.0	8.4	8.2
21	7.6	7.5	7.7	7.6	7.9	7.8	7.9	7.8	8.0	7.9	8.5	8.1
22	7.6	7.5	7.7	7.6	7.9	7.8	7.9	7.8	8.0	7.9	8.4	8.1
23	7.6	7.6	7.7	7.6	7.8	7.8	7.9	7.8	7.9	7.8	8.3	8.2
24	7.6	7.6	7.7	7.6	7.8	7.8	7.9	7.8	7.9	7.9	8.2	8.1
25	7.6	7.6	7.8	7.7	7.8	7.8	7.9	7.9	7.9	7.9	8.3	8.0
26	7.6	7.6	7.8	7.7	7.8	7.8	7.9	7.8	8.0	7.9	8.3	8.1
27	7.7	7.6	7.8	7.8	7.8	7.8	8.0	7.9	8.0	7.9	8.1	8.0
28	7.6	7.5	7.8	7.8	7.8	7.8	8.0	7.9	8.0	7.8	8.0	8.0
29	7.6	7.6	7.8	7.8	7.8	7.8	8.0	7.9	---	---	8.1	7.9
30	7.8	7.6	7.8	7.7	7.8	7.8	7.9	7.8	---	---	8.2	8.0
31	7.6	7.6	---	---	7.8	7.8	7.9	7.8	---	---	8.2	8.0
MONTH	8.2	7.5	7.8	7.6	7.9	7.6	8.0	7.5	8.1	7.8	8.5	7.8
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.0	7.8	7.9	7.9	8.0	7.4	7.4	7.2	7.8	7.4	7.7	7.5
2	8.1	7.9	7.9	7.7	7.7	7.4	7.5	7.2	7.9	7.7	7.7	7.5
3	8.0	7.9	7.8	7.6	7.9	7.4	7.4	7.2	8.0	7.6	7.8	7.5
4	8.1	8.0	7.8	7.6	7.8	7.4	7.5	7.2	7.7	7.5	7.6	7.5
5	8.2	8.0	7.7	7.6	7.7	7.4	7.5	7.2	7.8	7.5	---	---
6	8.1	7.9	7.7	7.6	7.8	7.3	7.4	7.2	7.7	7.5	---	---
7	8.0	7.9	7.7	7.6	7.5	7.3	7.6	7.1	7.7	7.6	---	---
8	8.0	7.9	7.6	7.5	---	---	7.6	7.2	7.9	7.6	7.7	7.5
9	8.1	8.0	7.5	7.3	7.5	7.3	7.7	7.2	7.8	7.6	7.8	7.2
10	8.1	8.0	7.5	7.4	7.6	7.2	7.5	7.2	7.8	7.5	7.7	7.6
11	8.0	7.9	7.5	7.3	7.6	7.2	7.5	7.2	7.8	7.5	7.7	7.4
12	8.0	7.9	7.4	7.4	7.6	7.3	7.8	7.2	7.8	7.5	7.7	7.5
13	8.0	7.9	7.4	7.3	7.8	7.2	7.7	7.2	7.8	7.5	7.6	7.5
14	8.1	7.9	7.7	7.3	7.6	7.3	7.5	7.2	7.7	7.4	7.6	7.5
15	8.2	8.0	7.8	7.3	7.6	7.3	7.4	7.2	7.7	7.4	7.6	7.3
16	8.1	8.0	7.5	7.2	7.5	7.3	7.5	7.3	7.7	7.5	7.6	7.4
17	8.2	8.0	7.8	7.3	7.5	7.3	7.4	7.2	7.8	7.5	7.6	7.5
18	8.2	8.1	8.3	7.2	7.7	7.3	7.4	7.2	7.7	7.5	7.6	7.5
19	8.2	8.0	8.0	7.6	7.5	7.3	7.5	7.2	7.7	7.5	7.6	7.4
20	8.2	8.0	7.7	7.4	7.8	7.4	7.6	7.2	7.7	7.5	7.7	7.5
21	8.3	8.1	7.7	7.4	7.8	7.5	7.7	7.4	7.7	7.4	7.8	7.5
22	8.2	8.0	7.9	7.6	7.9	7.4	7.7	7.4	7.7	7.4	7.7	7.5
23	8.1	7.8	7.9	7.6	7.8	7.4	7.8	7.5	7.6	7.4	7.9	7.4
24	8.1	7.7	7.9	7.4	7.7	7.4	7.7	7.5	7.8	7.4	7.8	7.3
25	8.2	7.7	7.7	7.4	7.8	7.4	7.7	7.5	7.7	7.4	7.7	7.3
26	8.2	7.7	8.0	7.4	7.6	7.3	7.6	7.4	7.8	7.5	7.9	7.3
27	8.3	7.8	8.2	7.5	7.6	7.3	7.4	7.2	7.7	7.5	7.8	7.5
28	8.1	7.8	7.9	7.5	7.5	7.2	7.4	7.2	7.6	7.4	7.7	7.3
29	8.2	7.8	7.9	7.4	7.5	7.2	7.5	7.2	7.6	7.4	8.1	7.6
30	8.0	7.8	7.9	7.5	7.5	7.2	7.6	7.4	7.7	7.5	7.8	7.6
31	---	---	7.9	7.5	---	---	7.7	7.4	7.6	7.5	---	---
MONTH	8.3	7.7	8.3	7.2	---	---	7.8	7.1	8.0	7.4	---	---

03431091 CUMBERLAND RIVER AT OMOHUNDR WATER PLANT AT NASHVILLE, TN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	20.7	21.1	19.1	18.5	18.9	13.8	13.6	13.7	9.5	8.8	9.2
2	21.4	20.8	21.1	19.3	19.0	19.1	13.6	12.9	13.2	9.9	9.3	9.7
3	21.1	20.4	20.7	19.1	18.8	18.9	12.9	12.7	12.8	10.4	9.8	10.2
4	21.1	20.4	20.8	18.9	18.4	18.6	12.9	12.6	12.8	10.7	10.2	10.5
5	20.9	20.1	20.5	18.4	17.8	18.2	12.7	12.5	12.6	11.2	10.4	10.9
6	20.6	19.9	20.3	17.8	17.3	17.6	12.6	12.6	12.6	11.3	11.2	11.2
7	20.5	20.1	20.3	17.8	17.3	17.6	13.3	12.6	12.9	11.2	10.8	11.1
8	20.4	19.8	20.1	17.5	16.9	17.2	13.2	13.0	13.1	11.1	10.8	11.0
9	20.0	19.7	19.9	17.1	16.5	16.8	13.3	12.9	13.2	10.8	10.6	10.7
10	20.3	19.7	20.0	16.7	16.4	16.6	13.3	13.1	13.3	10.6	10.5	10.5
11	20.0	19.6	19.8	16.5	16.2	16.4	13.1	12.6	12.9	10.8	10.6	10.7
12	19.7	19.4	19.5	16.3	15.8	16.1	12.6	12.3	12.4	11.1	10.7	10.9
13	19.4	18.8	19.1	15.8	15.3	15.6	12.3	11.7	12.1	11.2	11.0	11.1
14	18.9	18.4	18.7	15.4	15.1	15.3	11.7	11.1	11.4	11.0	10.4	10.8
15	18.4	17.9	18.2	15.3	14.8	15.1	11.1	10.7	10.9	10.4	9.9	10.1
16	17.9	17.2	17.6	15.0	14.8	14.9	10.7	10.5	10.6	9.9	9.4	9.7
17	17.3	16.8	17.1	15.1	14.8	14.9	10.8	10.5	10.6	9.4	8.6	9.0
18	17.2	17.0	17.0	15.1	14.7	14.9	10.9	10.7	10.8	8.6	8.1	8.4
19	17.4	17.2	17.3	15.1	14.9	15.0	10.8	10.0	10.5	8.1	8.0	8.0
20	17.7	17.3	17.6	15.1	14.9	15.0	10.0	9.2	9.5	8.2	7.9	8.1
21	18.0	17.7	17.8	14.9	14.8	14.9	9.2	8.8	9.0	8.3	8.2	8.2
22	18.0	17.8	17.9	14.9	14.8	14.8	9.4	9.1	9.2	8.3	7.8	8.1
23	17.9	17.7	17.8	15.1	14.8	14.9	9.2	8.7	8.9	7.8	6.9	7.3
24	18.3	17.8	18.0	15.3	14.9	15.1	8.7	8.2	8.5	6.9	6.6	6.8
25	18.3	17.8	18.0	15.0	14.4	14.7	8.3	8.1	8.1	7.0	6.5	6.7
MONTH	21.5	16.8	18.9	19.3	13.4	15.9	13.8	8.0	10.8	11.3	6.5	9.1
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.3	7.3	9.3	8.9	9.2	12.8	12.3	12.6	15.2	14.5	14.9
2	7.5	7.3	7.4	9.0	8.6	8.8	12.8	12.4	12.6	15.1	14.6	14.8
3	7.6	7.4	7.5	9.0	8.6	8.8	12.9	12.2	12.6	15.1	14.2	14.7
4	7.8	7.3	7.5	9.3	8.8	9.0	13.4	12.3	12.9	15.4	14.5	15.0
5	8.0	7.5	7.8	9.4	9.1	9.3	13.6	13.1	13.3	15.5	15.1	15.3
6	8.3	7.7	8.0	9.5	8.9	9.2	13.6	13.3	13.5	15.6	15.1	15.4
7	8.4	8.2	8.3	9.5	9.3	9.4	13.8	13.4	13.6	15.7	15.1	15.4
8	8.7	8.2	8.5	9.5	9.0	9.2	13.7	13.4	13.6	16.3	15.4	15.8
9	8.7	8.5	8.6	9.1	8.8	8.9	13.8	13.2	13.5	16.7	16.0	16.4
10	8.5	8.0	8.3	8.9	8.7	8.8	14.5	13.7	14.2	17.0	16.4	16.7
11	8.2	7.9	8.1	8.8	8.6	8.7	14.8	14.4	14.6	17.1	16.4	16.8
12	8.3	7.7	8.0	9.1	8.5	8.8	14.9	14.5	14.7	17.5	16.8	17.2
13	8.5	8.1	8.3	9.3	8.8	9.1	15.0	14.7	14.8	17.9	17.1	17.5
14	9.3	8.5	8.9	9.6	8.9	9.2	15.1	14.5	14.8	18.8	17.6	18.2
15	9.3	8.8	9.1	9.3	8.9	9.1	15.0	14.6	14.8	19.4	17.6	18.2
16	9.4	9.1	9.3	9.1	8.8	8.9	15.2	14.5	14.9	18.1	17.1	17.6
17	9.3	8.9	9.1	9.2	8.7	8.9	15.3	14.7	15.0	19.8	16.5	18.0
18	9.2	8.7	9.0	9.4	8.7	9.1	15.5	14.9	15.2	19.8	17.6	18.8
19	9.1	8.8	8.9	9.5	9.1	9.3	15.7	15.2	15.5	20.2	18.8	19.4
20	9.0	8.7	8.9	10.0	9.2	9.6	16.2	15.4	15.8	20.1	19.3	19.5
21	9.6	8.8	9.2	10.4	9.5	10	16.4	15.8	16.1	19.5	18.5	19.1
22	9.5	9.3	9.4	10.4	10.2	10.3	16.6	15.7	16.1	20.0	19.0	19.7
23	9.6	9.2	9.3	10.5	10.3	10.4	16.3	15.2	15.9	20.4	19.3	20.0
24	9.4	9.2	9.3	10.4	10.3	10.3	15.6	14.4	15.0	21.5	19.1	19.9
25	9.5	9.1	9.3	11.4	10.3	10.8	15.5	14.7	15.1	20.2	18.9	19.5
26	9.5	8.9	9.2	11.8	10.9	11.4	15.4	14.7	15.0	21.2	19.0	20.2
27	9.5	9.2	9.4	11.6	11.2	11.3	15.6	14.9	15.2	21.8	20.7	21.3
28	9.6	9.3	9.5	11.7	11.4	11.6	14.9	14.2	14.6	21.8	20.8	21.2
29	---	---	---	12.3	11.2	11.8	15.0	14.2	14.7	21.8	20.4	20.9
30	---	---	---	13.0	11.7	12.4	15.0	14.6	14.9	21.8	20.1	20.9
31	---	---	---	13.6	12.6	13.0	---	---	---	22.2	20.8	21.6
MONTH	9.6	7.3	8.6	13.6	8.5	9.8	16.6	12.2	14.5	22.2	14.2	18.1

CUMBERLAND RIVER BASIN

03431091 CUMBERLAND RIVER AT OMOHUNDRD WATER PLANT AT NASHVILLE, TN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN									
1	21.6	20.4	21.3	25.5	24.1	24.7	26.3	25.5	25.8	25.2	24.2	24.7
2	21.6	21.3	21.5	25.8	24.3	24.9	26.7	25.5	26.0	25.0	24.4	24.8
3	22.5	21.3	22.0	25.7	24.1	24.8	26.8	25.2	26.0	24.9	23.9	24.4
4	23.6	21.8	22.2	26.3	24.4	25.2	25.9	24.3	25.4	24.4	24.2	24.3
5	23.7	21.8	22.5	26.1	24.9	25.4	26.0	24.2	25.1	---	---	---
6	24.4	22.1	22.7	25.6	24.9	25.3	25.6	24.1	25.0	---	---	---
7	23.4	22.1	22.5	26.5	24.7	25.4	25.8	25.3	25.5	---	---	---
8	---	---	---	26.6	25.4	26.0	26.0	25.1	25.6	24.8	24.1	24.5
9	22.6	21.6	22.1	27.1	25.5	26.4	26.0	25.2	25.6	24.8	24.0	24.4
10	23.2	21.6	22.3	27.3	25.9	26.6	26.6	25.4	25.9	25.2	24.2	24.7
11	23.5	21.9	22.9	26.5	25.3	26.0	26.3	25.1	25.6	24.7	24.2	24.4
12	23.5	21.2	22.6	26.9	25.3	26.1	26.8	24.8	25.6	26.0	24.0	24.7
13	25.1	22.3	23.3	26.6	25.0	25.9	26.7	24.9	25.8	26.0	23.7	24.3
14	24.8	22.9	23.8	26.3	25.0	25.7	26.8	24.9	25.9	25.3	23.7	24.2
15	24.7	23.3	23.9	25.5	25.0	25.3	26.8	24.8	25.7	24.5	23.9	24.2
16	23.8	22.5	23.0	25.6	24.7	25.3	26.0	24.6	25.3	24.9	23.6	24.0
17	23.1	22.0	22.7	25.4	24.7	25.1	26.2	25.0	25.4	24.5	23.5	24.0
18	23.8	22.9	23.2	25.3	23.0	24.5	25.9	24.7	25.2	24.1	23.0	23.4
19	23.8	23.1	23.5	25.5	23.4	24.9	26.4	25.0	25.7	24.8	22.8	23.5
20	24.8	23.6	24.2	27.0	24.0	25.1	26.4	25.2	25.8	24.6	23.7	24.1
21	25.1	23.8	24.4	26.9	24.5	25.6	26.9	25.3	26.0	25.1	24.2	24.6
22	26.0	23.9	24.7	26.2	24.5	25.5	26.2	25.1	25.6	25.2	24.2	24.5
23	25.2	24.2	24.7	26.8	24.8	26.1	26.1	25.0	25.5	25.5	24.2	24.8
24	25.2	24.4	24.8	26.8	24.8	25.8	26.5	25.1	25.8	25.2	24.0	24.6
25	26.1	24.5	25.1	27.3	25.0	26.2	26.5	25.7	26.0	24.9	24.1	24.4
26	25.4	23.9	24.9	26.3	24.9	25.7	26.6	25.2	26.1	25.6	24.2	24.9
27	25.5	23.6	24.6	26.7	25.1	25.8	26.3	25.2	25.8	25.5	23.9	24.9
28	24.9	23.8	24.2	26.3	24.3	25.1	26.0	25.1	25.5	24.6	23.5	24.1
29	25.6	23.3	24.4	26.4	24.3	25.3	25.6	24.9	25.2	24.6	23.5	24.1
30	25.6	23.6	24.6	26.7	24.6	25.9	25.6	25.0	25.4	23.6	22.7	23.1
31	---	---	---	26.9	25.1	26.0	25.0	23.5	24.0	---	---	---
MONTH	---	---	---	27.3	23.0	25.5	26.9	23.5	25.6	---	---	---

03431091 CUMBERLAND RIVER AT OMOHUNDR WATER PLANT AT NASHVILLE, TN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.6	7.7	9.0	9.5	8.4	9.1	12.6	11.1	12.3	12.8	12.2	12.5
2	9.1	7.0	8.4	9.7	8.8	9.3	12.4	11.9	12.2	12.8	12.3	12.6
3	9.2	8.4	8.8	9.2	8.4	8.9	12.0	11.6	11.8	12.4	11.9	12.1
4	9.5	8.5	9.0	9.5	9.0	9.2	12.0	11.4	11.6	12.4	11.6	11.8
5	9.2	8.2	8.7	9.6	8.3	9.0	11.8	11.5	11.6	11.7	11.4	11.5
6	9.5	8.2	8.8	10.0	9.2	9.7	12.5	11.2	11.6	11.6	11.3	11.4
7	9.9	9.0	9.4	10.3	9.7	10	12.6	11.1	11.5	11.6	11.2	11.4
8	9.7	8.8	9.2	10.4	9.3	10	12.6	12.1	12.3	12.2	11.5	12.0
9	9.2	8.7	8.9	10.7	10.1	10.4	12.1	11.8	11.9	12.0	11.7	11.8
10	9.5	8.8	9.1	10.7	9.6	10.2	12.1	12.0	12.0	11.7	11.4	11.5
11	9.3	8.6	9.0	10.4	9.7	10.1	12.1	11.7	12.0	11.4	11.0	11.2
12	9.1	8.4	8.7	10.2	9.7	10	12.0	11.6	11.7	11.4	11.0	11.2
13	---	---	---	10.7	9.9	10.3	12.1	11.4	11.7	---	---	---
14	---	---	---	10.9	10.0	10.6	12.3	12.0	12.1	---	---	---
15	8.4	6.9	7.8	11.0	10.4	10.7	12.3	12.1	12.2	---	---	---
16	8.6	7.3	8.2	10.9	10.4	10.7	12.3	11.9	12.1	---	---	---
17	9.0	8.3	8.7	10.9	10.0	10.5	12.1	11.8	12.0	---	---	---
18	8.9	8.5	8.7	10.4	9.9	10.1	12.2	11.8	12.0	11.4	11.1	11.3
19	9.0	8.0	8.6	10.1	9.4	9.7	12.4	11.9	12.1	11.5	11.1	11.3
20	8.9	8.4	8.5	10.4	9.3	9.8	13.4	12.4	12.6	11.5	11.1	11.4
21	8.6	8.0	8.2	10.3	9.6	9.9	13.4	12.6	12.8	11.5	11.1	11.3
22	8.2	7.8	8.0	10.4	9.5	10	14.8	13.0	14.1	11.5	11.0	11.3
23	8.3	7.6	7.9	10.2	9.6	9.9	14.4	14.0	14.2	12.0	11.4	11.6
24	8.7	7.6	8.3	10.5	10.0	10.2	14.2	14.0	14.1	12.3	11.9	12.0
25	9.0	8.0	8.5	11.1	10.4	10.7	14.1	13.6	13.9	12.4	12.2	12.3
26	9.2	8.2	8.7	11.1	10.8	11.0	13.7	13.2	13.4	12.4	12.2	12.3
27	9.0	8.4	8.7	11.3	11.0	11.2	13.3	13.0	13.1	12.5	12.1	12.3
28	9.0	8.2	8.6	11.5	11.2	11.3	14.4	13.0	13.5	12.6	12.3	12.4
29	9.5	8.5	9.0	11.4	11.1	11.3	14.2	12.9	13.1	12.7	12.2	12.4
30	10.0	8.8	9.4	11.2	11.0	11.1	13.0	12.0	12.2	12.4	12.1	12.2
31	9.6	8.8	9.1	---	---	---	12.4	11.9	12.1	12.7	11.9	12.1
MONTH	---	---	---	11.5	8.3	10.2	14.8	11.1	12.4	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	13.2	12.1	12.4	11.4	10.8	11.1	10.9	9.6	10.6	12.4	11.9	12.2
2	13.3	12.0	12.4	11.5	11.1	11.3	10.6	9.9	10.4	11.9	11.4	11.6
3	13.3	11.8	12.2	11.6	11.2	11.4	10.7	10.3	10.5	11.4	10.2	10.7
4	12.3	11.9	12.1	11.8	11.2	11.5	11.0	10.1	10.5	11.9	10.3	11.0
5	12.4	12.1	12.2	11.9	11.5	11.7	11.0	10.5	10.7	12.1	11.2	11.6
6	12.4	12.1	12.3	12.2	11.4	11.9	10.7	10.0	10.4	11.8	11.2	11.5
7	12.4	12.1	12.2	12.1	11.6	11.9	10.4	9.7	10.0	12.0	11.0	11.6
8	12.6	11.9	12.3	11.9	11.5	11.7	10.8	10.1	10.4	11.7	10.7	11.2
9	12.9	12.1	12.3	12.2	11.5	11.8	11.3	10.4	10.9	10.8	9.8	10.3
10	12.5	12.2	12.4	12.1	11.6	11.9	11.1	10.7	11.0	10.6	9.9	10.2
11	12.8	12.3	12.6	11.9	11.6	11.8	10.9	10.2	10.7	11.1	10.1	10.6
12	12.8	12.5	12.7	12.1	11.5	11.8	11.0	10.4	10.6	11.0	10.2	10.7
13	12.6	12.0	12.3	12.1	11.5	11.8	10.9	10.7	10.8	11.1	10.1	10.6
14	12.2	11.8	12.1	12.3	11.6	11.9	11.8	10.9	11.3	10.7	9.7	10.3
15	12.5	12.1	12.3	12.2	11.5	11.9	12.0	11.2	11.6	11.0	9.7	10.2
16	12.5	12.1	12.3	12.0	11.5	11.8	12.2	11.6	11.9	9.8	7.2	9.2
17	12.6	12.0	12.3	12.2	11.6	11.9	12.6	12.0	12.3	11.7	7.9	9.6
18	12.3	11.8	12.1	12.4	11.7	12.0	12.9	12.1	12.5	10.3	6.2	9.0
19	12.2	11.8	12.0	12.4	11.8	12.2	12.8	12.3	12.6	9.3	8.3	8.7
20	12.1	11.7	11.8	12.8	12.1	12.4	12.8	11.8	12.3	8.4	7.5	8.1
21	11.8	11.3	11.6	13.0	11.7	12.5	12.7	12.2	12.4	8.2	7.3	7.7
22	12.3	11.7	12.2	12.6	12.1	12.3	12.4	11.9	12.2	8.3	7.7	8.0
23	11.9	11.5	11.7	12.3	11.9	12.1	11.9	11.1	11.5	8.2	7.3	7.9
24	11.5	11.0	11.2	12.2	11.6	11.9	11.7	10.2	11.2	8.5	6.6	7.6
25	11.2	11.0	11.1	12.2	11.5	11.9	11.9	10.8	11.1	7.8	7.0	7.3
26	11.5	11.2	11.3	12.3	10.9	11.8	11.8	9.8	11.2	8.4	6.8	7.6
27	11.5	11.1	11.4	11.9	11.3	11.6	12.1	10.9	11.5	8.3	5.9	7.7
28	11.4	10.9	11.2	11.4	10.6	11.1	11.8	10.7	11.4	8.2	6.5	7.6
29	---	---	---	11.7	10.7	11.2	11.8	10.7	11.3	8.4	6.3	7.5
30	---	---	---	11.6	11.0	11.3	12.5	10.8	11.6	8.7	7.1	7.7
31	---	---	---	11.6	10.6	11.1	---	---	---	8.8	7.1	7.9
MONTH	13.3	10.9	12.0	13.0	10.6	11.8	12.9	9.6	11.2	12.4	5.9	9.5

CUMBERLAND RIVER BASIN

03431091 CUMBERLAND RIVER AT OMOHUNDR WATER PLANT AT NASHVILLE, TN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.6	7.1	8.5	5.5	3.3	4.5	6.3	5.1	5.8	7.2	3.7	5.6
2	7.1	6.3	6.8	5.5	3.6	4.6	7.2	6.3	6.8	7.2	5.5	6.6
3	7.6	5.3	6.8	5.5	3.3	4.2	7.4	6.1	6.8	7.8	6.0	7.0
4	7.2	6.0	6.6	6.2	3.5	4.6	7.2	6.4	6.7	7.3	6.4	7.0
5	7.4	5.7	6.4	5.6	3.7	4.8	7.3	6.4	6.7	---	---	---
6	9.0	5.4	6.9	5.3	3.3	4.4	6.9	5.5	6.5	---	---	---
7	7.2	5.9	6.4	6.0	3.1	4.1	6.8	6.2	6.5	---	---	---
8	---	---	---	5.5	3.5	4.5	7.8	6.2	7.0	6.0	5.1	5.5
9	5.8	4.7	5.4	6.4	4.4	5.1	7.3	6.7	7.0	6.2	2.3	4.7
10	6.2	4.6	5.4	5.7	4.3	5.1	7.1	5.7	6.6	6.0	3.8	5.2
11	5.9	4.0	5.2	6.1	4.5	5.3	7.8	5.7	6.5	6.0	5.2	5.6
12	5.7	4.4	5.2	7.6	4.0	6.0	7.4	6.3	6.9	6.4	5.0	5.5
13	6.7	2.9	4.8	6.6	5.4	5.9	7.6	6.0	6.8	6.0	4.8	5.2
14	6.1	3.8	5.3	6.9	4.9	5.9	8.0	5.5	7.4	6.0	4.8	5.2
15	5.9	4.2	5.2	7.0	4.7	5.7	8.4	5.5	7.6	5.8	4.2	5.2
16	5.3	4.3	4.9	7.9	6.3	7.0	7.8	7.0	7.4	5.5	4.3	5.0
17	5.5	4.9	5.1	8.0	5.7	7.3	8.1	6.7	7.4	5.9	5.1	5.4
18	7.2	5.2	6.0	8.3	4.3	7.0	8.1	5.9	7.1	5.6	5.1	5.3
19	6.8	5.4	6.0	8.3	5.7	6.6	7.8	5.2	7.1	5.6	5.0	5.3
20	7.1	5.5	6.5	6.2	4.1	5.5	7.9	4.6	6.7	6.0	5.2	5.6
21	7.4	5.6	6.5	---	---	---	7.8	6.0	7.0	6.1	5.2	5.8
22	8.0	5.7	6.7	---	---	---	7.5	6.3	6.8	5.7	4.4	5.1
23	7.0	5.2	6.1	---	---	---	7.3	5.3	6.6	5.8	3.4	4.9
24	6.2	5.1	5.7	---	---	---	7.9	5.3	6.2	5.4	2.0	4.6
25	7.3	4.8	5.8	---	---	---	7.3	4.8	6.1	5.3	3.2	4.7
26	6.4	4.4	5.3	6.0	4.7	5.6	7.0	4.6	5.8	---	---	---
27	6.5	3.9	5.3	5.0	3.7	4.5	6.6	4.2	5.7	---	---	---
28	5.8	2.9	4.7	6.0	3.7	4.3	6.9	4.6	5.8	6.3	4.9	5.9
29	5.7	3.7	4.9	6.0	4.4	5.0	6.3	5.8	6.0	7.6	5.6	6.6
30	5.7	3.2	4.5	8.2	5.5	6.4	6.8	3.9	6.3	7.1	5.5	6.6
31	---	---	---	8.6	5.7	6.8	7.1	3.3	6.1	---	---	---
MONTH	---	---	---	---	---	---	8.4	3.3	6.6	---	---	---

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